

NOTES ON THE SPECIES OF ERYTHRINA. XIV

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In connection with preparation of Supplement XII which was recently submitted for publication in Annals of Missouri Botanical Garden-377 collections were examined. Of these 195 collections are cited in this paper. Extension of range is noted only for E. chiriquensis. No new species are described.

The important part of this paper is the second List of Exsiccatae covering specimens cited in Supplements XII and XIV. In connection with work on Lists of Exsiccatae some errors were detected. The work on the genus was carried on since 1938. Many thousands of collections were named, duplicates of some of these deposited in different herbaria. All errors occurred in my working in various herbaria where I was pressed for time. These and typographical errors are being corrected in this paper and the others will be corrected in the next supplement after my visit to various herbaria.

It seems fortunate that most active collecting in a century is being carried on presently in Mexico which is a center of the genus as far as the number of species (28 species and subspecies) is concerned. The end of this is not yet in sight. Another very large collection from Mexico is on the way to me for identification.

1. Erythrina fusca Loureiro, Fl. Cochinch. 427. 1790 based on Gelala aquatica Rumphius, Herb. Amb. 2: 235. t. 78. 1750.

Panama: Panama: slopes of Cerro Jefe, \pm 3200 ft, F. Almeda 3475 (CAS). Colombia: delta of Magdalena River, Dugand 865 (MAD), 933 (MAD). Peru: Loreto: Maynas, Antonio Arostegui V., 49 (MAD), 61 (MAD), coll. undes. 49 (MAD). Surinam: cultuurtuin 190 (MAD). Brazil: Bahia: mun. Ilheus, S. A. Mori 10395, 10396; Rio de Janeiro: H. M. Curran 307 (MAD) (cult.); Parana: Rio Tibagi (cult. (?) Herbarium Mus. Nac. Rio 66685 (R).

2. Erythrina crista-galli L. Mant. 99. 1767.

Brazil: Minas Gerais: Ponta Grossa, Pe. Leopoldo Krieger 7667 (RB); Rio de Janeiro: Herbarium Jard. Bot. Rio 143027 (RB) (cult.); Rio Grande do Sul, Lino Tatto 3668 (MAD). Argentina: H. H. Curran 30 (MAD), 83 (MAD), 89 (MAD). Morocco: Rabit, J. Lewalle 8696 (cult.), 8708b (cult.). U.S.A.: Florida: D. Burch 6831 (MO) (cult.). Country undesign.: Marcelo Navarrez s.n. (MAD).

3. Erythrina falcata Benth in Mart. Fl. Bras 15 (1): 172. 1859.

Brazil: Minas Gerais: J. A. Ratter 2677 (UB), A. P. Duarte 13068 (RB), L. d' A. Freire de Carvalho 1085 (RB); Rio de Janeiro: Herbarium Jard. Bot. Rio 80834 (Petropolis) (RB), 11288 (RB), 157825 (Horto Forestal) (RB); São Paulo: Juquiá-Piedade, P. E. Gibbs 6651 (SP). Argentina: Misiones: H. H. Curran 2 (MAD), 708 (MAD). Bolivia: Sorata: Graf s.n.

5. Erythrina ulei Harms, Verh. Bot. Ver. Brand. 48: 172. 1907.

Peru: Junín: \pm 700 m, Al. Gentry 16417.

The collector states on the label: "flowers visited by hummingbirds."

6. Erythrina verna Velloso, Fl. Flum. 304. 1825.

Brazil: Minas Gerais: E. P. Heringer 7777A (Paroapeba), (UB), 15166 (mun. Bom Jesus do Galho), (UB), Roberto S. Ramalho 1004 (Viçosa, cult.) (RB).

7. Erythrina poeppigiana (Walpers) O. F. Cook in Bull. U. S. Dept. Agr. Bot. 25: 57. 1901.

Costa Rica: Cartago: F. Almeda 4194 (CAS) (cult.). Colombia: Cuatrecasas 14504 (MAD). Brazil: Rio de Janeiro: cult., Paula Laclette 452 (R). Taiwan: cult., C. E. Chang 10027 (K).

8. Erythrina suberosa Roxburgh, Hort. Beng. 53, nomen 1814; Fl. Ind. 3: 253. 1832.

India: Dehra Dun., Ram Prasad Doval s.n. (3/27-1929-flrs.) (6/30-1929-frts.) (MAD).

12. Erythrina arborescens Roxburgh, Hort. Beng. 53, nomen 1814; Pl. Coromandel 3: 14, pl. 219. 1819.

India: Tehri-Gorhwal; near Bhatwari, P. P. Huggins 118 (BM); West Bengal: H. Ohashi et al. s.n. (July 25, 1972) (the Fifth Bot. Exp. Himalaya) (BM) (Darjeeling, \pm 2200 m). Nepal: L. W. Beer 25713 (BM) (\pm 6000 ft), Stainton 6698 (BM) (\pm 7000 ft); H. Kanai s.n. (July 11, 1970) (BM), s.n. (Aug. 22, 1972) (BM), Bhutan: R. E. Cooper 1293 (BM), 2612 (BM), Ludlow s.n. (5/8-1949) (\pm 7500 ft), s.n. (5/8-1949) (\pm 5400 ft).

13. Erythrina subumbrans (Hasskarl) Merrill in Philipp. Jour. Sci. Bot. 5: 113. 1910.

Thailand: Chiang Mai: \pm 450 m, Edward F. Anderson 4195 (CAS); Mae Hong Son: \pm 750 m, Edward F. Anderson 4250 (CAS). India: Chota Nagpur Hazaribagh District, F. H. W. Kerr 2029 (BM).

14. Erythrina breviflora Alph. DeCandolle, Prodr. 2: 413. 1825.

Mexico: Morelos: X. Lozoya s.n. (Oct. 19, 1977) (MEXU), Alma D. Villegas s.n. (Sept. 9, 1978) (Cuernavaca) (MEXU); Michoacan: R. Kral 27670 (MEXI), C. R. Parks 295 (CAS); Guerrero: Teresa German 939.

16. Erythrina speciosa Andrews, Bot. Repos. 7. pl. 443. 1806.

Brazil: Rio de Janeiro: Museu Imper. Petropolis, Elsie F. Gumaraes s.n. (May 1976) (RB). Hongkong: Kadoorie Gardens, G. Baretto 148 (K).

19. Erythrina montana Rose & Standley in Contr. U.S. Nat. Herb. 20: 179. 1919.

Mexico: Sinaloa: Sierra Surufoto, \pm 5800 ft, Breedlove 18599 (CAS).

20. Erythrina leptorhiza Alph. DeCandolle, Prodr. 2: 413. 1825.

Mexico: Mexico: Dudley Gold 178 (\pm 2250 m) (MEXI), C. Dziekanowski 3040 (\pm 8000 ft), Rzedowski 28300 (\pm 2800 m) (MEXI), 30762 (\pm 2600 m) (MEXI), 32034 (Cerro del Tigre, \pm 2500 m) (MEXU); 33269 (\pm 2300 m) (MEXI); Distr. Fed.: A. Ventura A. 1399 (\pm 2550 m) (MEXI), 1486 (\pm 2800 m) (MEXI), 1578 (\pm 2400 m) (MEXI), 1882 (\pm 2500 m) (MEXI), 2769 (\pm 2050 m) (MEXI), S. Moreno G. 247 (MEXI); Hidalgo: \pm 2500 m, A. Ventura A. 149 (MEXI); Morelos: J. Vasques 1770 (MEXU).

- 22a. Erythrina herbacea L. subsp. herbacea Erythrina herbacea L. Sp. Pl. 706. 1753. sens. str.

U.S.A.: D. H. Caldwell 8736 (MAD); South Carolina: Duane Isely 10399 (CAS); Florida: W. L. Stern 138 (MAD), 226 (MAD), Ira L. Wiggins 19656 (CAS), Archie Wilson s.n. (July 1953) (MAD).

- 22b. Erythrina herbacea L., subsp. nigrorosea Krukoff & Barneby in Phytologia 25(1): 6. 1972.

Mexico: San Luis Potosi, D. B. Dunn 19189 (MEXI); Veracruz: F. Chiang 444 (mun. Ozuluama) (MEXU), C. Vasquez Yanez 593 (MEXU) and 889 (MEXU) (Cerro Monte de Oro).

This entity was described in 1972 and by now it is known from 87 collections from 9 eastern states in Mexico, being especially common in Oaxaca.

23. Erythrina standleyana Krukoff in Brittonia 3: 301. 1939.

Mexico: Campeche: R. Grether 576 (MEXU).

24. Erythrina flabelliformis Kearney in Trans. N.Y. Acad. 14: 32. 1894.

Mexico: Sonora: Arthur C. Gibson 2280 (MEXI), J. R. Hastings 71-193 (+ 885 m) (MEXI), 71-204 (+ 975 m) (MEXI).

25. Erythrina coralloides Alph. DeCandolle, Prodr. 2: 413 1825.

Mexico: San Luis Potosi: A. Gomez 500 (mun. Villa Hidalgo); Mexico: + 2300 m, J. Espinosa s.n. (11/3-1973). Portugal: Lisboa, cult., A. A. de Carvalho Monteiro 6667 (BM).

- 28b. Erythrina lanata Rose subsp. occidentalis (Standley) Krukoff & Barneby in Phytologia 27: 117 1973.

Mexico: Sinaloa: in open savanna, D. H. Norris 20146 (CAS); Tres Marias Islands: John T. Howell 10455 (CAS); Jalisco: 20 km NW de Chamela, nivel del mar, M. Sousa 3927 (MEXU) also seedling grown from seeds of this collection, J. Arturo S. Magallanes 729 (mun. La Huerta) (MEXU); Morelos: Chimalacatlan, J. Vasquez S. 1959 (MEXU).

29. Erythrina goldmanii Standley in Contr. U.S. Nat. Herb. 20: 181. 1919.

Mexico: Oaxaca: Mario Sousa 525 (mun. Jamiltepec, 440 m) (MEXU), 6999 and 7021 (Distr. Putla) (flor roja, caliz purpuro oscuro); 7405 (Distr. Juchitan, 50 m), (MEXU), Chiapas: Breedlove 39981 (mun. San Fernando), (CAS), 40625 (mun. Amatenango de la Frontera) (CAS)

30. Erythrina caribaea Krukoff & Barneby in Phytologia 25: 9. 1972.

Mexico: Veracruz: T. Croat 39662 (2 km N of Huatusco) (MO), Mario Sousa 4290 (mun. S. Andres Tuxtla), John H. Beaman 5261 (Catemaco) (MEXU); Tabasco: slope of Cerro Las Campanas. 30-100 m, J. Conrad 2825; Oaxaca: (mun. Chiltepec); Guadalupe Martinez-Calderon 1393 (CAS); Chiapas: Ocusingo, 470 m, Juan I. Calzada 2840 (F).

31. Erythrina folkersii Krukoff & Moldenke in Phytologia 1: 286. 1938.

Belize: Yale 3327 (MAD). Mexico: Veracruz: C. Vasquez Yanez 751 (MEXU), Leija Gonzales 835 (Veracruz-Coatzacoalco) (MEXU), 3969 (MEXU); Oaxaca: Pochutla, \pm 750 m, Mario Sousa 7575; Chiapas: mun. Palenque, \pm 300 m, Breedlove 24215 (CAS).

35. Erythrina hondurensis Standley in Field Mus. Publ. Bot. 4: 309. 1929.

Honduras: Atlantida: Lancetilla valley, 10-150 m, T. Croat 42660 (MO). Nicaragua: Paul J. Shenk 63 (MAD).

36. Erythrina chiapasana Krukoff in Brittonia 3: 304. 1939.

Mexico: Chiapas: R. F. Thorpe 41518 (\pm 5400 ft) (CAS), H. Mill 366 (Jitotol Ridge, 5800 ft) (CAS), E. W. Lathrop 5166 (3 km N of Pueblo Nuevo Solistahuacan) (CAS), R. F. Thorne 41207 (mun. Pueblo Nuevo, \pm 5400 ft) (CAS), D. E. Breedlove 39647 (mun. Zinacantan) (CAS), 39804 (mun. Ocozotla de Espina) (CAS), 41240 (mun. Chanal) (MO).

39. Erythrina williamsii Krukoff & Barneby in Phytologia 22(4): 266. 1971.

Guatemala: Alta Verapaz vicin. of San Juan Chamelco, \pm 1450 m, L. O. Williams 43201 (US).

41. Erythrina chiriquensis Krukoff in Brittonia 3: 222. 1939.

Panama: Darien: Cerro Tacarcuna, premontane wet forest, 1250-1450 m, Gentry & Mori 13946.

This is a new record of this species from Darien.

42. Erythrina macrophylla Alph. DeCandolle, Prodr. 2: 411. 1825.

Guatemala: El Quiche: \pm 2100 m, Antonio Molina 30293 (MEXI).

43. Erythrina guatemalensis Krukoff in Amer. Jour. Bot. 28: 688. 1941.

Guatemala: Alta Verapaz: along road to El Estor, T. Croat 41484 (MO), 41717 (MO).

44. Erythrina globocalyx Porsch & Cufodontis in Arch. Bot. Sist. Fitog. & Genet. 10: 35, pl. 1. 1934.

Ray W. Lent 1163 was identified at first as E. chiriquensis but corrected and identified later correctly as E. globocalyx. Cards, however, were not removed from the card index and as a result the specimen was cited in Suppl. V (Phytologia 22: 277. 1971) under both species. This collection was correctly cited in Exsiccatae.

45. Erythrina florenciae Krukoff & Barneby in Mem. N.Y. Bot. Gard. 20(2): 171. 1970.

Mexico: Chiapas: mun. Motozintla de Mendoza, \pm 2100 m, montane rain forest, Breedlove 41696 (MEXU).

49. Erythrina lanceolata Standley in Contr. U.S. Nat. Herb. 17: 432. 1914.

Honduras: Comayagua: Toulabe, Garcia Maynor 033 (MO)

50. Erythrina costaricensis M. Micheli, Bull. Herb. Boiss. 2: 445. 1894.

Panama: M. Nee 7268 (MAD); Canal Zone J. P. Folsum 1938; Panama: J. P. Folsum 6594 (MO).

52. Erythrina americana Miller, Gard. Dict. ed. 8, No. 5. 1768.

Mexico: .Nepantla, O. Converse 131 (MEXI); Veracruz:

G. K. Arp 4174 (10 kms E of Huatusco) (F), Roberto V. Ortega Ortiz 0-287 (Jilotepeg) (F), C. Velazquez Lices VL-290 (Tepatlatxco) (F), Manuel G. Zola Baez Z-457 (La Concepcion, Vista Hermosa, \pm 1120 m) (F), Juan Ismael Calzada 2427 (Casautlan) (F), 3080 (Xalapa) (F), 3177 (F); Morelos: Cuernavaca: \pm 1400 m, Alma D. Villegas 17 (MEXU).

53. Erythrina berteriana Urban, Symb. Ant. 5: 370. 1908.

Panama: Chiriquí: Berenice de Caballero 19 (MO), J. P. Folsom 3935 (MO), 3937 (MO); Coclé: J. P. Folsom 2740 (MO); Canal Zone: Edwin L. Tyson 7400 (MEXU), G. A. Sullivan 587. Puerto Rico: W. R. Durland s.n. (MAD).

54. Erythrina rubrinervia H. B. K. Nov. Gen. & Sp. 6: 434. 1824.

Panama: Darien: Barry Hammel 1336 (MO).

58. Erythrina gibbosa Cufodontis in Arch. Bot. Sist. Fitog. & Genet. 10: 34. 1934.

Panama: Coclé: Barry Hammel 4807 (MO), J. P. Folsom 2755 (MO).

71. Erythrina caffra Thunberg, Prodr. Pl. Cap. 121. 1800.

Morocco: Royal Palace (cult.), J. Lewalle 8695.

72. Erythrina lysistemon Hutchinson in Kew Bull. 1933: 422. 1933.

Hong Kong: Kadoorie Gardens, cult., G. Baretto 150 (K).

79. Erythrina senegalensis Alph. DeCandolle, Prodr. 2: 413. 1825.

Cameroun: Ngéchéwé, J. Raynal 12774 (K).

80. Erythrina excelsa Baker in Oliver Fl. Trop. Africa 2: 183. 1871.

Southern Nigeria: Dageman District, P. A. Talbot 3747.

81. Erythrina mildbraedii Harms in Mildbr. Deutsch. Zentr.-Afr. Exp. 1907/1908, 2: 264. tab. 30. 1911.

Ghana: W. T. S. Brown 2152 (MAD).

83. Erythrina mendesii Torre in Bol. Soc. Brot. (Ser. 2) 39: 212. 1965.
Angola: E. J. Mendes 1079 (Isotype) (BM).
A colored photo of this species was published in Conspect. Fl. Angol. 3: fasc. 2. 1966.
86. Erythrina livingstoniana Baker in Oliver Fl. Trop. Africa 2: 182. 1871.
Rhodesia: Chiredzi, G. Pope 1511 (K).
87. Erythrina tholloniana Hua in Bull. Soc. Linn. Paris, n.s. 1: 53. 1898.
West Africa: G. LeTestu 1691 (BM)
89. Erythrina droogmansiana DeWildeman & Th. Durand in Bull. Soc. Roy. Bot. Belg. 40: 19. 1901.
Angola: de Malanje, R. de Champs 1461 (MAD).
93. Erythrina sigmoidea Hua in Bull. Mus. Hist. Nat. Par. 3: 327. 1897.
Oubangi-Chari: G. Le Testu 1015 (BM), 2677 (BM), 3720 (BM).
95. Erythrina abyssinica Lamarck, Encycl. Bot. 2: 392. 1788; ex. Alph. DeCandolle Prodr. 2: 413. 1825; Gillet in Kew Bull. 15: 426. 1962.
Burundi M. Reekmans 5319. Angola: Huambo, R. DeChamps 1042 (MAD). Kenya: S. S. Hooper 1447 (K), 1505 (K). Rhodesia: Eyles Herbarium 4538 (BM). Malawi: Northern province: Jean Pawek 5772 (CAS).
96. Erythrina variegata L. Herb. Amboin. 10. 1754; Amoen. Acad. 4: 122. 1759, based on Gelala alba Rumphius, Herb. Amboin, 2: 234. t. 77. 1750.
East Pakistan: Chittagong, S. Majumder s.n. (2/19-1966) (MAD), s.n. (6/25-1968) (MAD). North Borneo: E. L. Foster 65 (MAD). New Guinea: J. H. L. Waterhouse 266 (MAD). New Caledonia: MacKee 33650 (K). Australia: Queensland: V. K. Moriarty 1171 (K).
97. Erythrina tahitensis Nadeau, Enum. Pl. Tahiti 80. 1873.

Hawaii: Sherwin Carlquist 595 (MAD).

102. Erythrina velutina Willdenow, Ges. Nat. Freunde Berlin
Neue Schr. 3: 426. 1801.

Brazil: Paraiba: mun. Barra do Santa Rosa, Jose Edin-
aldo Santo 59 (RB); Fed. District, cult., Heringer 12865 (UB);
Bahia: Maracas, S. A. Mori 1141; Rio de Janeiro, cult.,
Luis Emygdio de Mello Filho 4133 (K). Ecuador: Guyas: C.
H. Dodson 6842 (SEL); Galapagos Islands, Syuzo Itow 29 (Isla
Santa Cruz), (CAS), E. Yale Dawson s.n. (29/1-1964) (Isla
Darwin) (CAS), s.n. (1/2-1964) (Isla Wolf) (CAS), Robert I.
Bowman s.n. (26/8-1957) (CAS). West Africa: Cape Verde Is-
lands: cult., R. T. Lowe s.n. (28/5-1875) (BM).

- 108a. Erythrina melanacantha Taubert ex Harms in Ann. Ist. Bot.
Roma 7: 96. 1897. ssp. melanacantha.

Ethiopia: Sidamo province, Ash 2780 (US).

1. Erythrina x bidwillii Lindley, Bot. Reg. 33: pl. 9.
1849.

Hong Kong: Joseph P. W. Wood 148 (CAS), G. Baretto 151
(K) (Kadoorie Gardens, Taipo).

7. Erythrina x sykesii Barneby & Krukoff in Lloydia 37: 447.
1974.

Hong Kong: Kadoorie Gardens, G. Baretto 149 (K). Aus-
tralia: New South Wales: Sabina Holmes 1447 (US).

10. Erythrina x blakei Parker, A. Forest Flora for the Pun-
jab with Hazara and Delhi, p. 159. 1918.

India: Dehra Dun, Circuit House Grounds, P. N. Parker
s.n. (3/5-1923).

List of Exsiccatae

The first list of Exsiccatae was published in Supplement #13 (Phytologia 41: 256-300. 1979). The present list of Exsiccatae covers Supplements #12 and #14.

Only numbered collections and those of which the dates of collection are recorded have been listed. If a collector gathered his collection together with others, only his name is cited in this list. Collections with Dr. Prance's numbers are cited under Prance.

- Almeda, F., 3475 (1), 4174 (41), 4194 (7).
 Anderson, Edward F., 4195 (13), 4250 (13).
 Arguelles, Elizabeth, 388 (26).
 Arostegui V., Antonio, 49 (1), 61 (1).
 Arp, G. K., 4174 (52).
- Backer C., s.n. (Oct. 1907, flrs.) (98).
 Baretto G., 148 (16), 149 (Hybrid #7), 150 (72), 151 (Hybrid #1).
 Beaman, John H., 5261 (30).
 Beer, L. W., 25713 (12).
 Bennett, 808 (19).
 Bowman, s.n. (Sept. 26, 1957) (102).
 Breedlove, D. E., 18599 (19), 24215 (31), 39647 (36), 39804 (36), 39981 (29), 40625 (29), 41240 (36), 41696 (46).
 Brown, W. T. S., 2152 (81).
 Burch, D., 6831 (2).
- Caballero de, Bernice, 19 (53).
 Caldwell, D. H., 8736 (22a).
 Calzada, Juan Ismael, 2427 (52), 2840 (30), 3080 (52), 3177 (52).
 Camp. W. H. E., 3643 (15a).
 Carlquist, Sherwin, 595 (97).
 Carvalho de, L., d'A. Freire, 1085 (3).
 Carvalho de, Monteiro, A. A., 6667 (25).
 Castellanos, A., 22820 (102).
 Cazalet, P. C. D., 5030 (15a).
 Champs de, R., 1042 (95), 1461 (89).
 Chiang, F., 444 (22b).
 Coll. undesign., s.n. (Herb. Lamb.), (Holotype of E. guineensis G. Don-BM) (79).
 Coll. undesign., s.n. (cult. Kew 404. 62-labelled E. marmorata) (96), 462.67 (96), 101.68 (99-island form).
 Coll. undesign., s.n. (30/9-1931) (9).
 Conrad, J., 2825 (30).

- Chang, C. E., 10027 (7).
Converse, O., 131 (52).
Cooper, R. E., 1293 (12), 2612 (12).
Croat, Thomas B., 38658 (15a), 38702 (15a), 39662 (30),
41484 (43), 41717 (43), 42660 (35).
Cuatrecasas, 34504 (7).
Curran, H. M., 2 (3), 30(2), 83 (2), 89 (2), 307 (1), 708 (3).

Danin, Avinoan, 2/22-1976 (1).
Davis, E. W., 347 (15).
Dawson, E. Yale, s.n. (Febr. 1, 1964) (102) s.n. (Jan. 29,
1964) (102).
Dodson, C. H., 4319 (15a), 5334 (15a), 6241 (15a), 6737 (5a),
6842 (102), 7249 (15), 7333 (15a), 7740 (15a)
Doval, Ram Prasad, s.n. (3/27-1929) (8).
Duarte, A. P., 13068 (3).
Dugand, 865 (1), 933 (1).
Duke, J. A., 13232 (58).
Dunn, D. B., 19189 (22b).
Dziekanowski, C., 3040 (20).

Escobar de, Linda Albert, 860 (15b).
Espinosa, J., s.n. (11/III-1973) (25).
Espinosa, Reinaldo, 668 (15), 1347 (15).
Estrada Martinez, Emma, 192 (55).
Eyles Herbarium, 4538 (95).

Fagerlind, 657 (15a).
Folsum, J. P., 1938 (50), 2740 (53), 2755 (58), 3935 (53),
3937 (53), 3957 (53), 3986 (49), 3999 (41), 5637 (50),
6435 (50), 6594 (50).
Foster, E. L., 65 (96).

Garcia-Barriga, H., 20059 (15), 20062 (15).
Garcia, Maynor, 033 (49).
Gentry, Al., 9650 (15a), 13946 (41).
German, Teresa, 939 (14).
Gibbs, P. E., 6651 (3).
Gibson, Arthur C., 2280 (24).
Gold, Dudley, 178 (20).
Gomes, A., 500 (25), 2809A (6).
Gonzalez Leija, 835 (31), 3969 (31).
Greenway, P. J., 14814 (76).
Grethen, R., 576 (23).
Grupo Etnobiologia, 111 (24), 192 (20).
Gumaraes, Elsie F., s.n. (May 1976) (16).

Hammel, Barry, 1336 (54), 3017 (15), 3848 (50), 4807 (58).

- Hastings, J. R., 71-193 (24), 71-204 (24).
Helms, Sabina, 1447 (Hybrid #7).
Herb. Bogor, 50 (9), 837 (11/8-1922, flrs.) (98), 879 (98),
4701 (flrs., frts.) (98), 9620 (9), 12785 (9), 14598
(9), 14599 (9), s.n. (2-0-10) (98) (some seeds may not
belong here), (2/0-16, flrs.) (98).
Herb. Koorders, 46 (9), 49 (9), 51 (9), 65 (9), 66 (9), 71
(9), 72 (9).
Herb. H. LeTestu, 1815 (93), 1691 (87), 2677 (93), 3720 (93).
Herb. R. T. Lowe, s.n. (28/5-1875) (102).
Herb. Mus. Nac. Rio, 66685 (1).
Herb. Jard. Bot. Rio, 80834 (3), 112888 (3), 143027 (2),
157825 (3), 173067 (102).
Heringer, E. P., 2809 (6), 7603 (6), 7777A (6), 12865 (102),
15166 (6), 16978 (6), s.n. (13/6-1974) (16)
Hernandez, H. M., 1 (70), 2 (70), 3 (2), 5 (28a), s.n. (Apr.
15, 1978) (70).
Hitchcock, 20417 (15a).
Hooper, S. S., 1447 (95), 1509 (95).
Howell, John T., 10455 (28b).
Huggins, P. P., A18 (12).

Isely Duane, 10399 (22b).
Itow, Syuzo, 29 (102).

Jacobs, M., 4886 (24/5-1951, flrs.) (98).
Jativa, Carlos, 189 (15a), 559 (15a).

Kanai, H., s.n. (July 11, 1970) (12) s.n. (Aug. 22, 1972)
(12).
Kerr, F. H. W., 2029 (13).
Kral, R., 27670 (14).
Krieger, Leopaldo, 7667 (2).
Krukoff, B. A., 7a (41), 1969-104 (41), 1969-105 (41), 1069-
112 (41), 1969-113 (41), 1969-146 (41), 1969-283 (41),
1973-4 (41), 1973-5 (41), 1973-6 (41), 1973-7 (41), 1973-
8 (41), 1973-9 (41), 1973-10 (41), 1978/21 (42).

Laclette, Paula, 452 (7).
Lathrop, E. W., 5116 (36).
Lewalle, J., 8695 (71), 8696 (2), 8708b (2)
Little Jr., Elbert L., 6194 (15a).
Lozoya, X., s.n. (10/19-1977) (14).
Ludlow, s.n. (5/8-49) (12), s.n. (6/8-1949, flrs.) (12).

MacKee, 33650 (96).
Mad, 19211 (2), 22125 (1).
Madsen, H. Balslev, 10324 (15).
Majumder, S., s.n. (2/19-1966) (96), s.n. (6/25 1968) (96)

- Magallanes, J. Arturo S., 729 (28b).
Martinez-Calderon, Guadeloupe, 1393 (30), 1395 (31).
Marquez, Wilfrido, M-851 (47).
Mattos, J., 9768 (102), s.n. (21/II-1962) (102).
Meebold, A., 9728 (9).
Mello Filho de, Luis E., 4132 (102).
Mendes, E. J., 1079 (isotype-BM) (83).
Mexia, 2632 (24).
Mill, H., 366 (36).
Molina R., Antonio, 7 (41), 20547 (41), 30293 (42).
Montalvo, E. A., 4821 (42).
Moreno G., S., 247 (20).
Mori, S. A., 10395 (1), 10396 (1), 11141(102).

Navarrez, Marcelo, s.n. (MAD 15021) (2).
Nee, M., 7268 (50).
Neill, David, 2974 (41), 3120 (53), 3719 (45), 4142 (45).
Norris, D. H., 20146 (28b).

Ohashi, H., s.n. (July 25, 1972) (12).
Ortega Ortiz, Roberto V., 0-287 (52).

Parker, P.N., s.n. (3/5-1923) (Hybrid#10).
Parks, C. R., 295 (14).
Pawek, Jean, 5772 (95).
Plowman, T., 3923 (15).
Pope, G., 1511 (86).
Prescott Decie, s.n. (1914) (syntype of E. platyphylla Baker f.-BM) (95).

Ramalho, Roberto S., 1004 (6).
Ratter, J. A., 2242 (3), 2677 (3).
Reekmans, 5319 (95).
Rodrigues, W., 9645 (7).
Rose, J. N., 22594 (15a).
Roynal, J., 12774 (79).
Rzedowski, J., 28300 (20), 30762 (20), 32034 (20), 33269 (20).

Santo, Jose Edinaldo, 59 (102).
Schulz, A. C., s.n. (4).
Seemann, 26 (1867) (53).
Shank, Paul J., 63 (35).
Shepherd, John D., 665 (54).
Smith, Austin, A-29 (41), P2238 (41).
Smith, P. A., 1872 (83).
Sousa, M., 3927 (28b), 3927 (seedling-28b), 4224 (42), 4290 (30), 5251 (29), 5506 (28c), 6999 (29), 7021 (29), 7056 (type) (28c), 7226 (36), 7405 (29), 7452 (28c), 7493 (28c), 7541 (28c), 7575 (31), 7586 (28c), 7642 (28c), 8014 (28a).

- Stern, W. L., 138 (22a), 226 (22a).
Stainton, 6698 (12).
Steere, 1428 (23)
Stevens, W. D., 1474 (19), 3664 (53), 4177 (53), 4545 (53),
4797 (58), 5066 (58), 5136 (53), 5258 (53), 5772 (53),
5817 (53), 5850 (53), 6007 (53), 6023 (45), 6024 (53),
6033 (1), 6124 (45), 6191 (53), 6624 (1), 6639 (1),
6823 (45), 6893 (45), 7375 (45), 8819 (45), 9088 (53).
Stevenson, s.n. (Yale 3327) (31).
Sullivan, G. A., 139 (50), 587 (53).
- Taffala (?) F. H. D. 267 L. 538 (Holotype of E. megisto-
phylla) (15a)
Talbot, P. A., 3747 (80).
Tattersall, I., 1 (1), 2 (1), 3 (1).
Tatto, Lino, 3668 (2).
Taylor Edwards, Mary, 682 (52).
Tellez, Oswaldo, 602 (42).
Thorne, R. F., 41207 (36).
Thorpe, R. F., 41518 (36).
Tyson, Edwin L., 7400 (53).
- Vasques, J., 1770 (20).
Vasquez Torres, Vicente, W-279 (47).
Vasquez Yanez, C., 593 (22b), 751 (31), 889 (22b).
Vazquez, S. J., 1959 (28b).
Veen, van der, R., s.n. (July 1975) (98), s.n. (Febr. 1979)
(seeds only, 96 or 98).
Velazquez L., VL-290 (52).
Ventura A., A., 149 (20), 1399 (20), 1486 (20), 1578 (20),
1882 (20), 2769 (20).
Villegas, Alma D., 17 (52), s.n. (9/9-1978) (14).
Vincelli, Paul C., 330A (45), 407 (45).
- Walsh, M. E., 2250 (96).
Waterhouse, J. H. L., 266 (96).
Welwitch, 2229 (syntype of E. suberifera Welw.-BM) (95),
2230 (syntype of E. suberifera Welw.-BM) (95), 2231
(Holotype of E. huillensis Welw.-BM) (95).
Wiggins, Ira L., 19656 (22).
Williams, L. O., 42774 (41), 43201 (39).
Wilson, Archie, s.n. (July 1953) (22a).
Wood, Joseph P. W., 148 (Hybrid #1).
Woodson, 913 (41).
- Zola Baez, Manuel G., Z-457 (52).